

Abstract of the Disclosure

This invention relates to a method of determining the quantity of exhaust gas recirculation for an internal combustion engine having exhaust gas recirculation, where the exhaust gas recirculation quantity (r_{AGR} , m_{AGR}) is determined from an exhaust gas temperature ($T_{exhaust}$), from a fresh gas temperature (T_{air2}), from a fresh gas quantity (m_{air}) and/or a volumetric efficiency (η), and the fresh gas temperature (T_{air2}) is determined by a fresh gas temperature model (15) which is adaptively adapted to influencing parameters relevant to the fresh gas temperature.